

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043065.D
 Acq On : 08 Oct 2025 15:38
 Operator : SY/MD
 Sample : Q3306-03 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 01:20:24 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	188970	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.971	114	504497	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.885	117	468317	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	360910	10.698	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.000%
Target Compounds						
						Qvalue
10) Heptane	4.988	43	3786m	0.124	ppbv	
15) Acetone	1.845	43	13855	0.524	ppbv	97
20) Methylene Chloride	2.072	84	4110	0.356	ppbv #	87
26) Hexane	2.839	57	22419	0.878	ppbv #	31
52) Tetrachloroethene	8.234	164	3917m	0.219	ppbv	
53) Toluene	6.943	91	16470m	0.338	ppbv	
58) Ethyl Benzene	9.357	91	14630	0.202	ppbv	89
59) m/p-Xylene	9.535	91	39129	0.639	ppbv	96
60) o-Xylene	9.966	91	26450	0.434	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	12058	0.192	ppbv	90
74) 1,2,4-Trimethylbenzene	11.539	105	17381	0.245	ppbv #	60

(#) = qualifier out of range (m) = manual integration (+) = signals summed

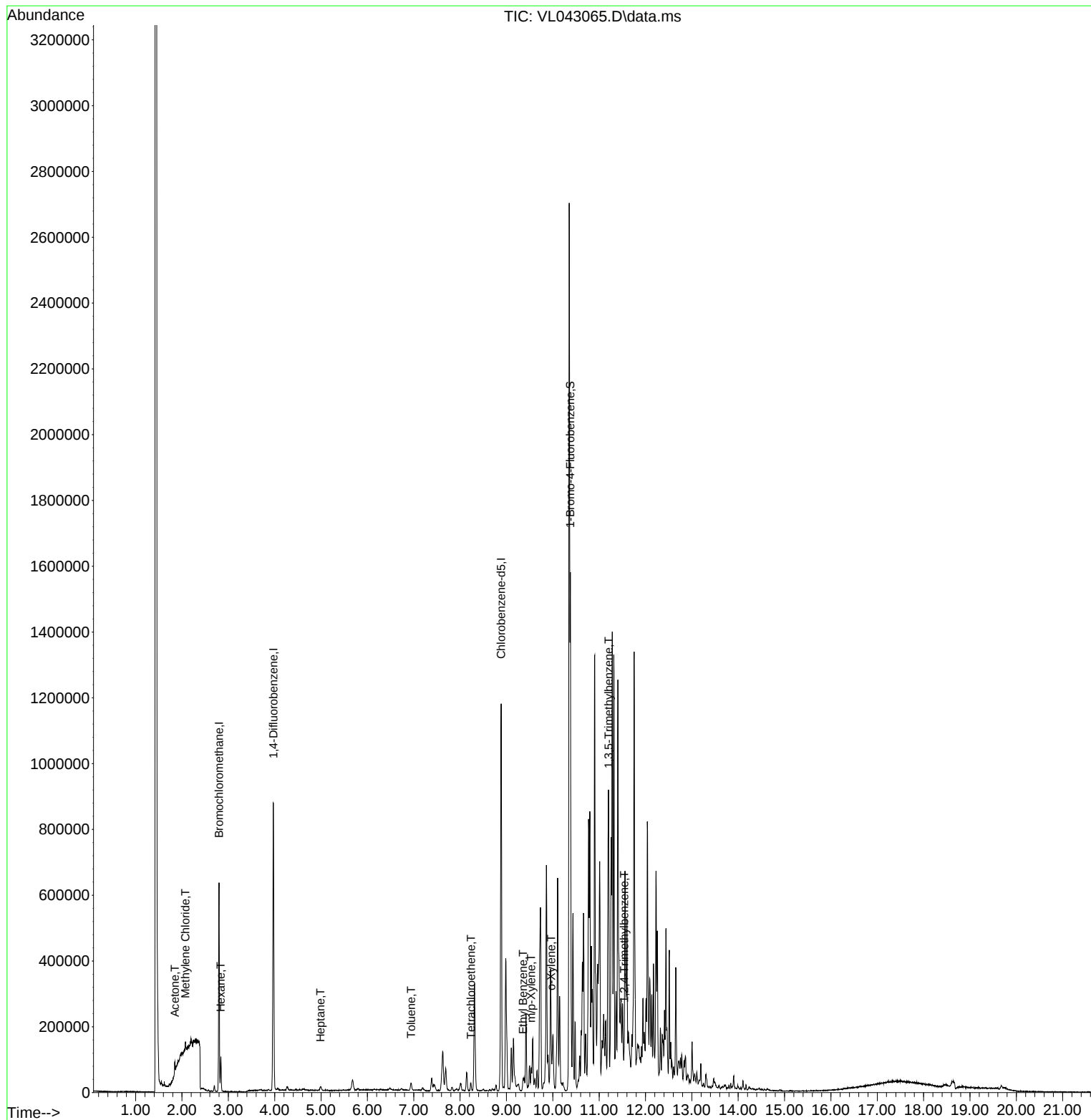
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
Data File : VL043065.D
Acq On : 08 Oct 2025 15:38
Operator : SY/MD
Sample : Q3306-03 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

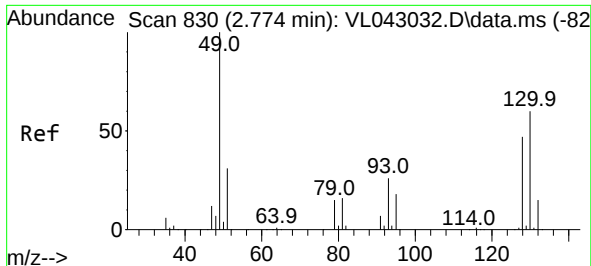
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Oct 09 01:20:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

Manual Integrations
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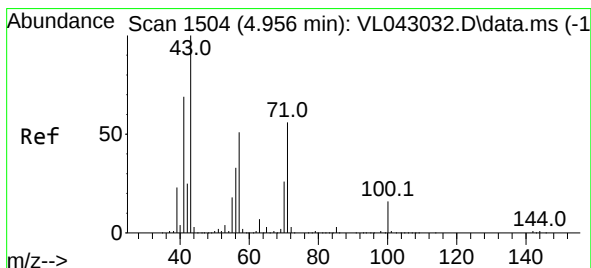
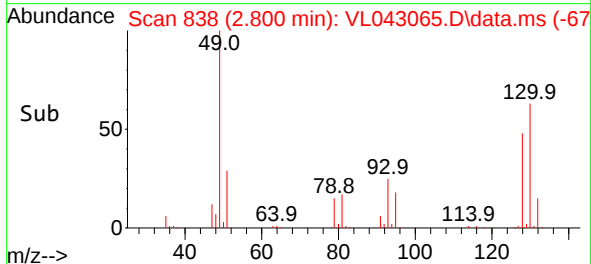
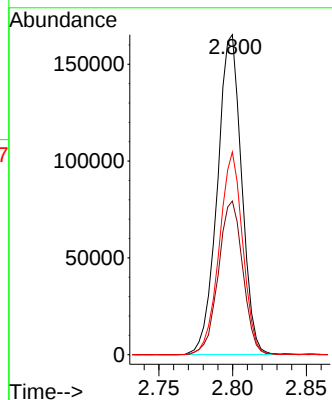
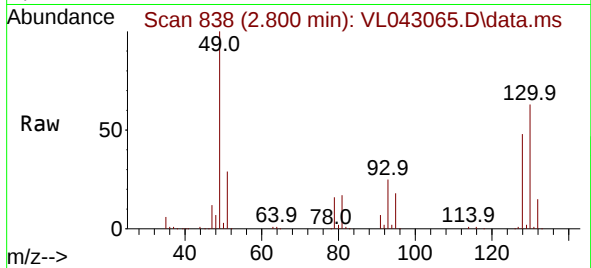
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.026 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 188970
Ion Ratio Lower Upper
49 100
128 48.6 24.1 72.2
130 61.3 31.4 94.3

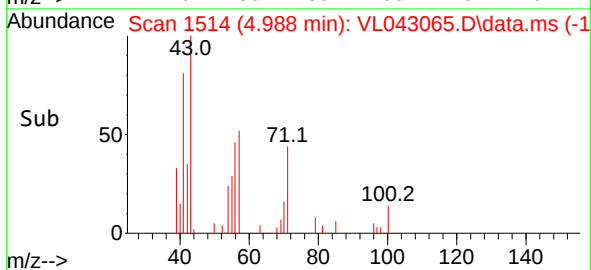
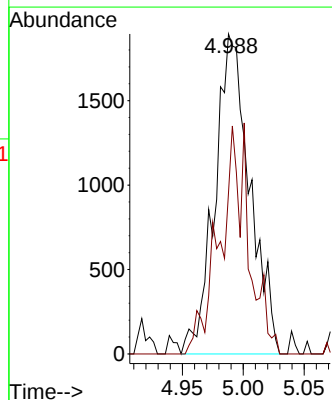
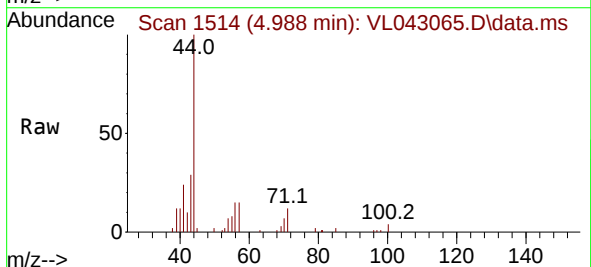
Manual Integrations
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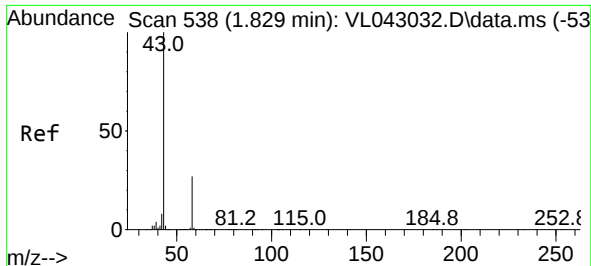
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#10
Heptane
Concen: 0.124 ppbv m
RT: 4.988 min Scan# 1514
Delta R.T. 0.032 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38

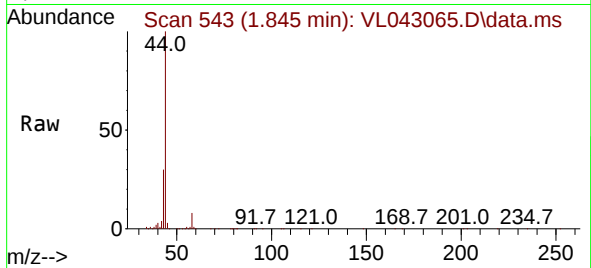
Tgt Ion: 43 Resp: 3786
Ion Ratio Lower Upper
43 100
57 59.2 40.3 60.5





#15
Acetone
Concen: 0.524 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.016 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38

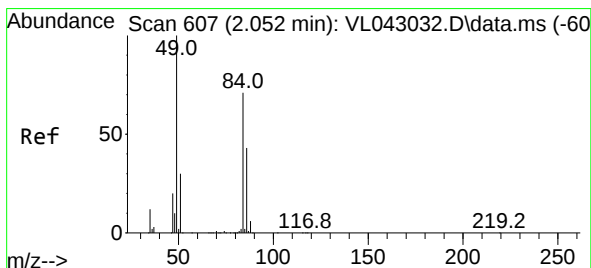
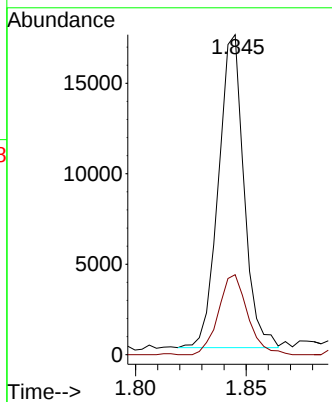
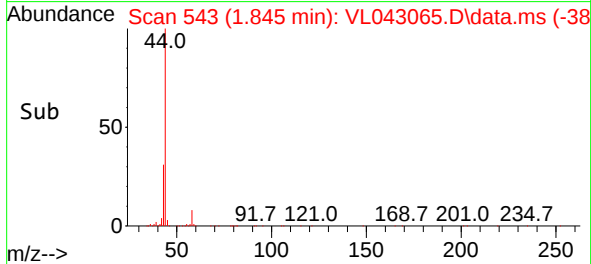
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 1385
Ion Ratio Lower Upper
43 100
58 29.4 22.2 33.4

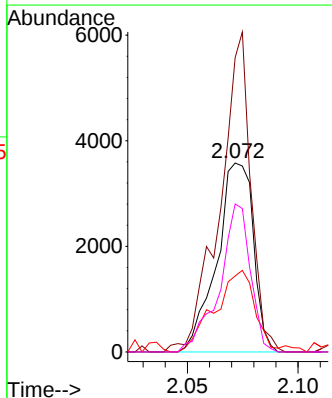
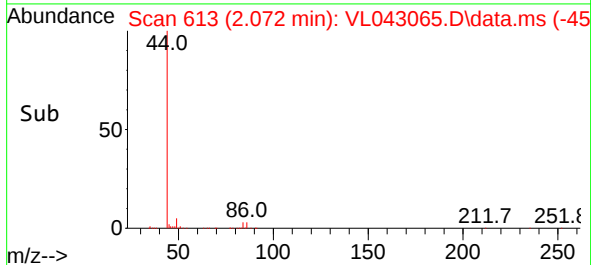
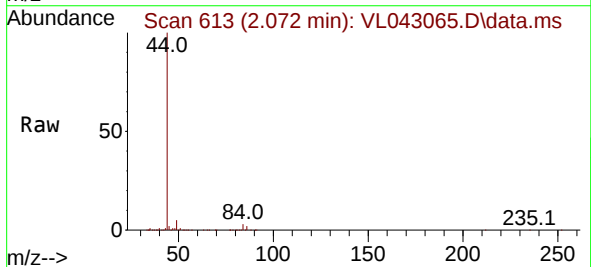
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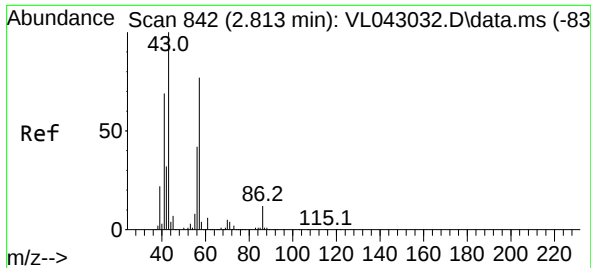
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.356 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.019 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38

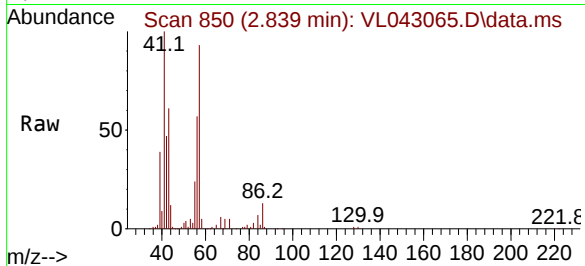
Tgt Ion: 84 Resp: 4110
Ion Ratio Lower Upper
84 100
49 153.8 112.5 168.7
51 40.2 34.2 51.2
86 78.3 48.4 72.6#





#26
Hexane
Concen: 0.878 ppbv
RT: 2.839 min Scan# 81
Delta R.T. 0.026 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38

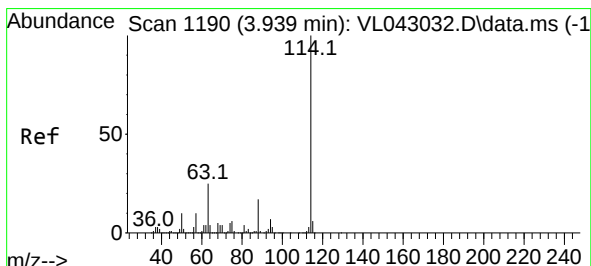
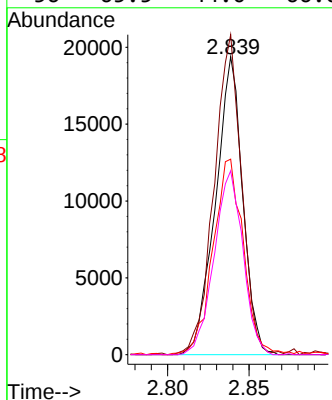
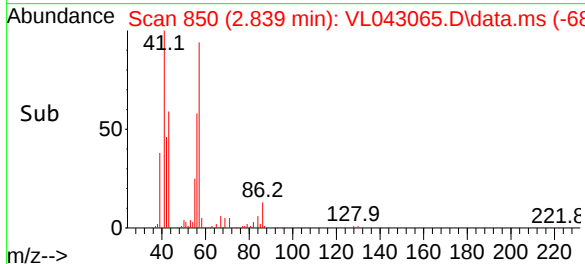
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 22419
Ion Ratio Lower Upper
57 100
41 110.2 76.1 114.1
43 74.0 201.4 302.0
56 65.5 44.0 66.0

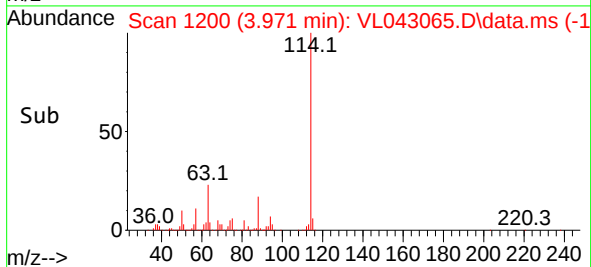
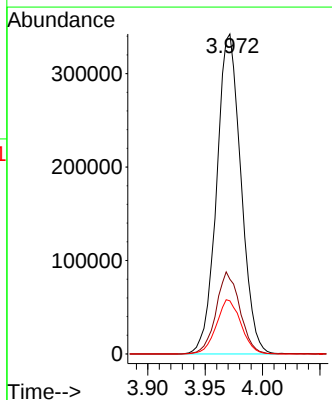
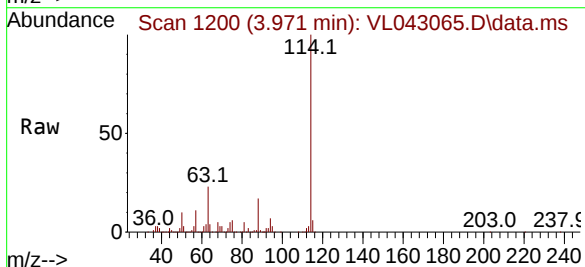
Manual Integrations
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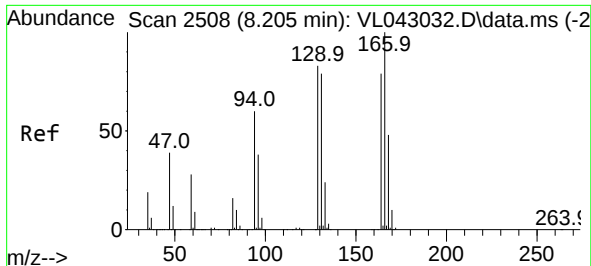
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.971 min Scan# 1200
Delta R.T. 0.032 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38

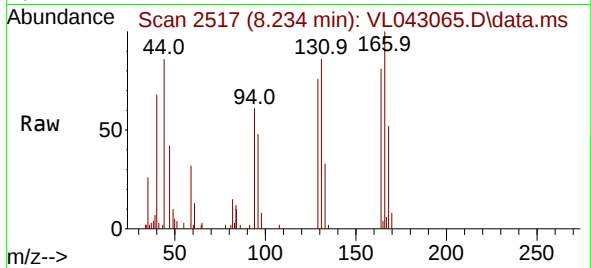
Tgt Ion:114 Resp: 504497
Ion Ratio Lower Upper
114 100
63 25.2 19.4 29.2
88 17.2 13.9 20.9





#52
Tetrachloroethene
Concen: 0.219 ppbv m
RT: 8.234 min Scan# 2117
Delta R.T. 0.029 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38

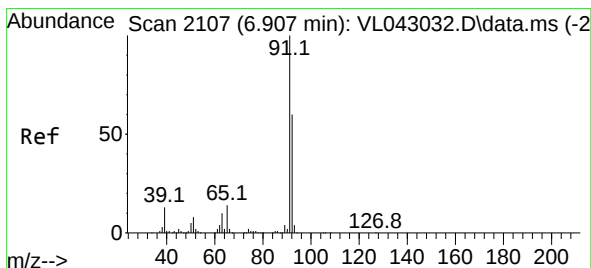
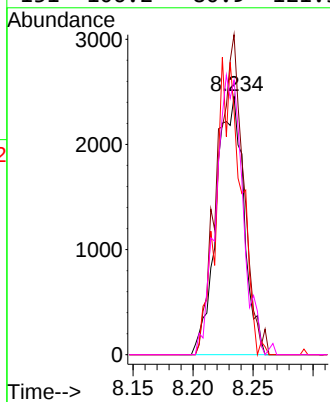
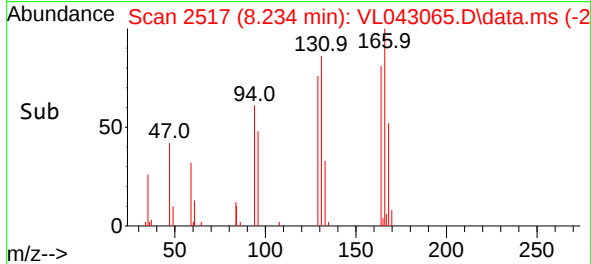
Instrument : MSVOA_L
ClientSampleId : SV1



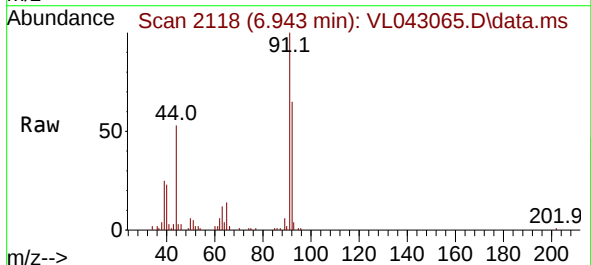
Tgt Ion:164 Resp: 3917
Ion Ratio Lower Upper
164 100
166 123.8 101.8 152.8
129 94.5 84.5 126.7
131 106.2 80.9 121.3

Manual Integrations
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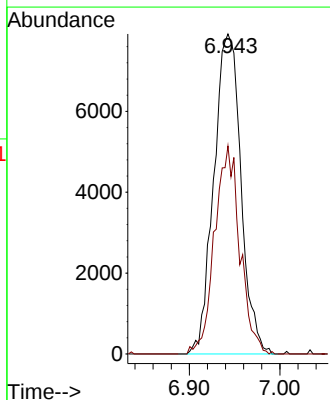
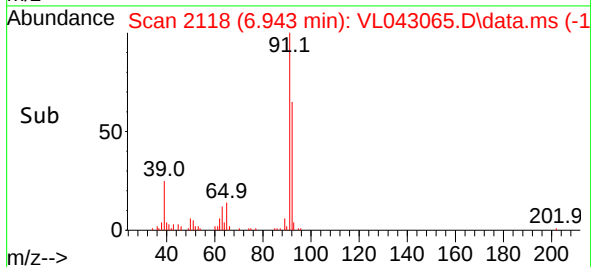
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

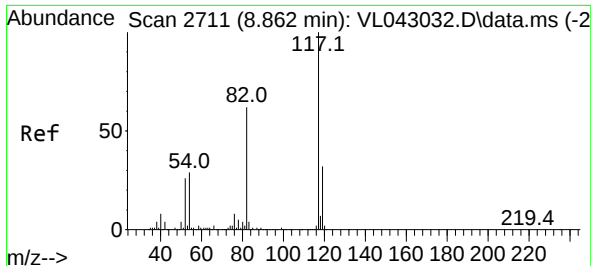


#53
Toluene
Concen: 0.338 ppbv m
RT: 6.943 min Scan# 2118
Delta R.T. 0.036 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38



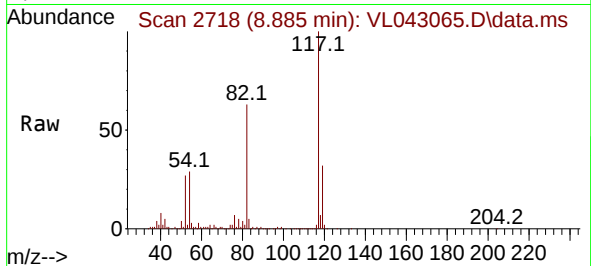
Tgt Ion: 91 Resp: 16470
Ion Ratio Lower Upper
91 100
92 60.5 47.8 71.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.023 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38

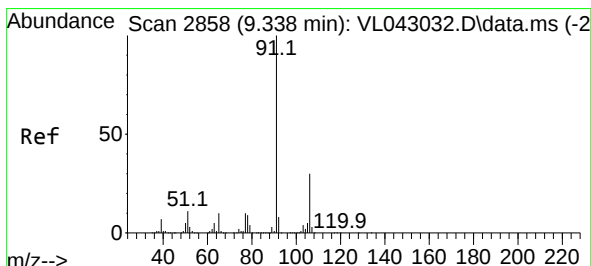
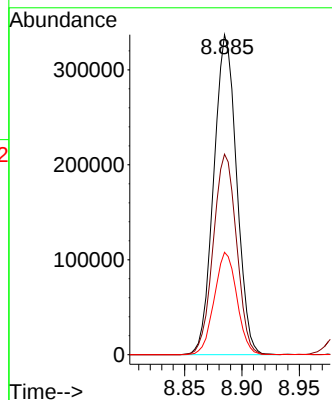
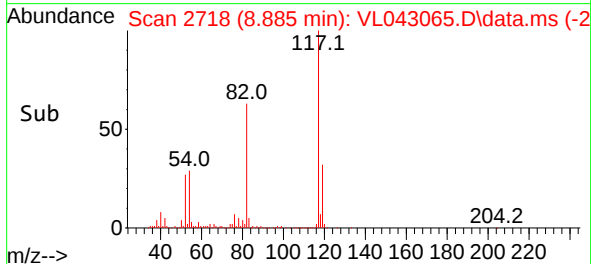
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 117 Resp: 46831
Ion Ratio Lower Upper
117 100
82 63.8 53.0 79.6
119 31.7 25.4 38.2

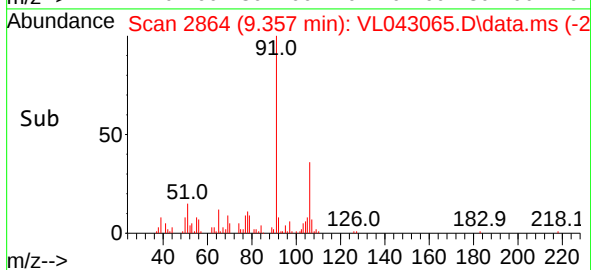
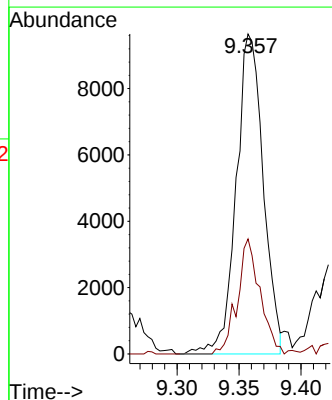
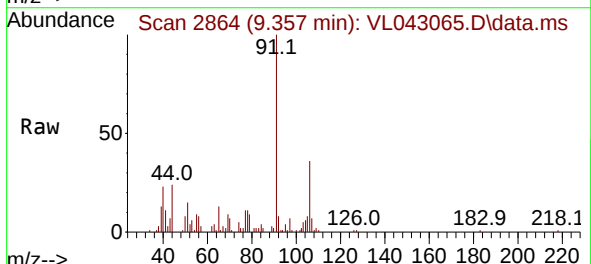
Manual Integrations
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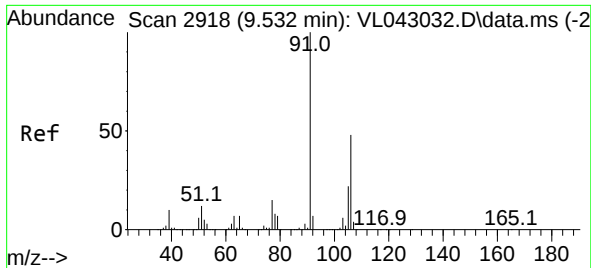
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
Ethyl Benzene
Concen: 0.202 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.019 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38

Tgt Ion: 91 Resp: 14630
Ion Ratio Lower Upper
91 100
106 36.0 24.1 36.1





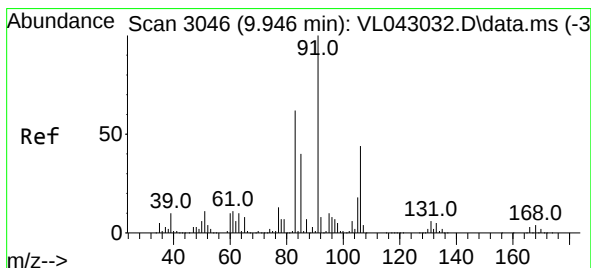
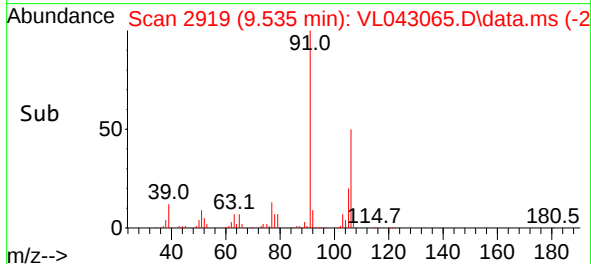
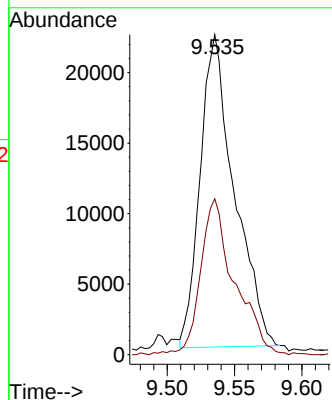
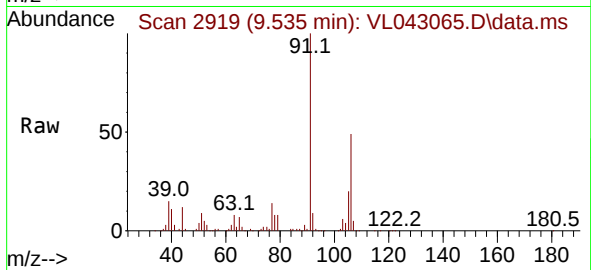
#59
m/p-Xylene
Concen: 0.639 ppbv
RT: 9.535 min Scan# 2912
Delta R.T. 0.003 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 39129
Ion Ratio Lower Upper
91 100
106 49.7 37.5 56.3

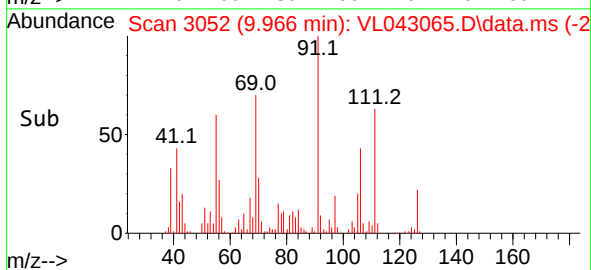
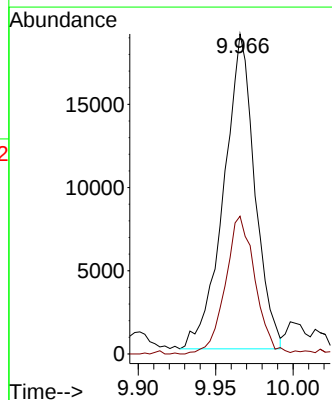
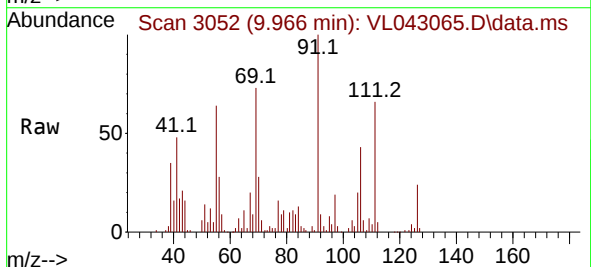
Manual Integrations
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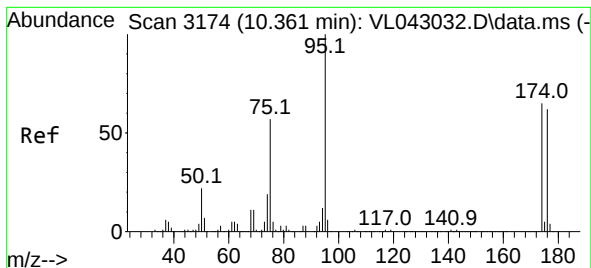
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
o-Xylene
Concen: 0.434 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.019 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38

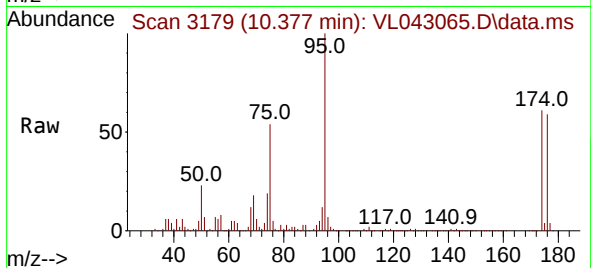
Tgt Ion: 91 Resp: 26450
Ion Ratio Lower Upper
91 100
106 42.8 21.9 65.5





#68
1-Bromo-4-Fluorobenzene
Concen: 10.698 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.016 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38

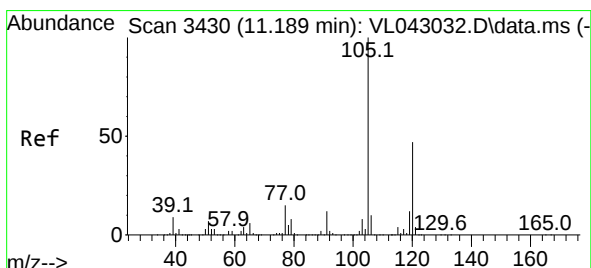
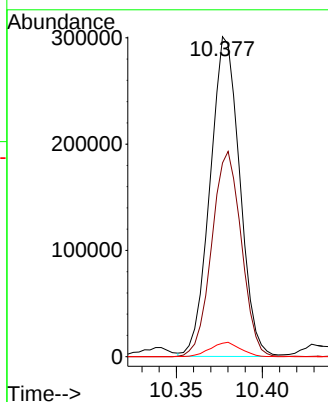
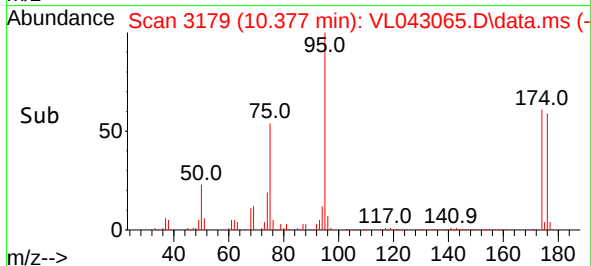
Instrument :
MSVOA_L
ClientSampleId :
SV1



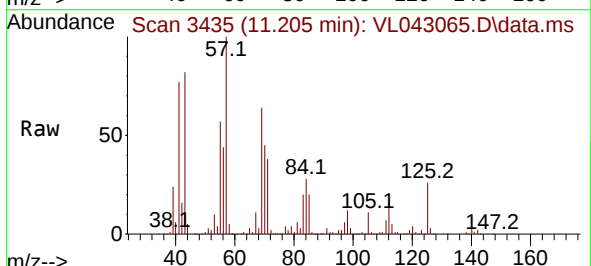
Tgt Ion: 95 Resp: 360910
Ion Ratio Lower Upper
95 100
174 64.2 52.3 78.5
175 4.6 3.8 5.8

Manual Integrations
APPROVED

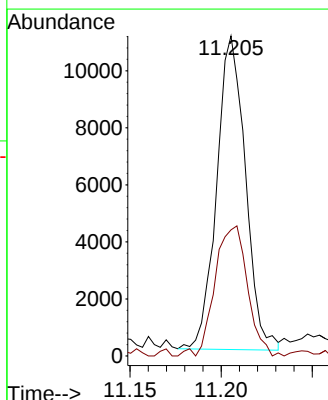
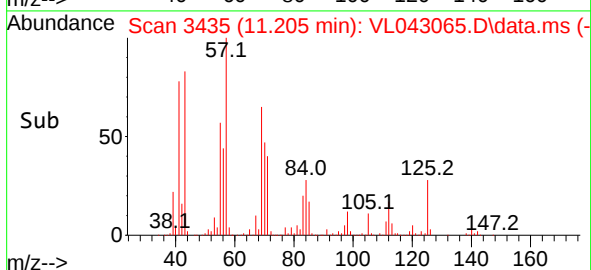
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

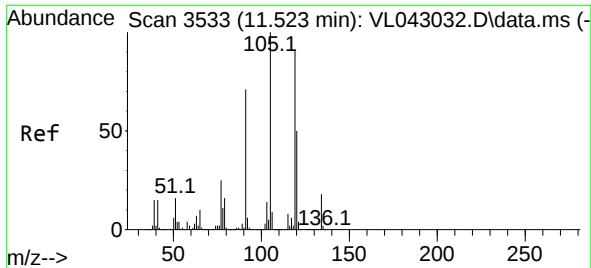


#73
1,3,5-Trimethylbenzene
Concen: 0.192 ppbv
RT: 11.205 min Scan# 3435
Delta R.T. 0.016 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38



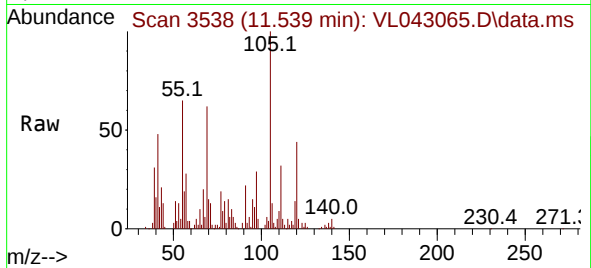
Tgt Ion:105 Resp: 12058
Ion Ratio Lower Upper
105 100
120 40.3 37.5 56.3





#74
1,2,4-Trimethylbenzene
Concen: 0.245 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.016 min
Lab File: VL043065.D
Acq: 08 Oct 2025 15:38

Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:	105	Resp:	1738
Ion	Ratio	Lower	Upper
105	100		
120	44.4	39.7	59.5
91	15.3	56.5	84.7
77	10.0	19.9	29.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

